



U.S. Senate
Office of the Secretary

HUMAN RESOURCES

Vacancy Announcement

POSITION:	Senior Software Engineer
DEPARTMENT:	Legislative Information Systems (LIS)
SUMMARY:	See Attached Position Classification
SALARY RANGE:	\$79,277 - \$122,879
CONTACT:	Human Resources Room SH-231B Hart Building Fax: 202-228-3603
POSTING DATE:	May 16, 2008
DEADLINE FOR APPLICATIONS:	May 30, 2008 Applications will NOT be accepted after 6:00 p.m. Fax or hand deliver applications. Do NOT mail. No phone calls please. * New * E-mail your submission to resumes@sec.senate.gov. Put the title of the position you are applying for in the Subject of your e-mail. If you do not reference the position you are applying for in the subject of your e-mail, your information may not be forwarded for further consideration. All applicants should submit a Secretary of the Senate Application for Employment with a cover letter and current resume to the Human Resources Department at the above address. Qualified candidates will be contacted if selected for an interview.



SENIOR SOFTWARE ENGINEER

NATURE OF WORK

This is technical work managing the technical aspects of the Legislative Information System (LIS) projects of the Secretary of the Senate to capture, store, manage and distribute Senate documents. Work includes formulating and defining specifications for software applications, developing or modifying software to support LIS projects and solving technical problems. Work is bound by Senate rules and office policy and procedure, but requires independent judgment in setting priorities and handling unusual assignments. Work is performed under the general guidance of the Director, Legislative Information Systems.

ESSENTIAL FUNCTIONS

Serves as the technical advisor to management, colleagues, staff, and contractors on LIS projects; develops and manages the technical aspects associated with the development of software applications to support Senate legislative activities and reporting; and provides guidance to colleagues.

Design, develop and maintain XML authoring applications used to create legislative documents.

Interprets broad and general customer requests and requirements and translates information into technical specifications for software development. Analyzes user requirements to define specifications and design components for new and existing functionality.

Lead the software development team in application development, testing and implementation. Delegates and assigns work to Software Engineer and SAA Senior Software Specialist; reviews work and provides performance feedback; assists with troubleshooting and resolution of technical problems in a timely manner.

Leads negotiations with users pertaining to specifications for system functions, use and performance; evaluates scope of requests and impact on projects; makes most decisions to modify or enhance software capabilities based on customer requests but refers requests that will have significant impact on project scheduling, staff and budget to the Director.

Advises and collaborates with Senate SAA, SOS, GPO, House, Library of Congress and vendor technical staff to enhance software functionality, and maximize use and performance; and provides integration assistance with assigned applications or technical initiatives.

Writes technical documentation for project plans, processes, procedures, applications and products/systems. Develops and manages software development quality assurance and configuration management processes.



Assists Director with the procurement and management of contracting resources supporting project development.

Directs and/or performs program design, coding, testing, debugging and documentation.

Ensures adequacy of systems and data quality with regard to accuracy, responsiveness, reliability, and technical compliance. Provide technical support and training to end users and other technical team members.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

Work is performed in an office environment and involves everyday risks or discomforts which requires normal safety precautions when operating equipment and performing the work. Work is essentially sedentary with occasional walking, standing, bending, carrying items under 25 pounds such as books, papers, small parcels, etc.

MINIMUM QUALIFICATIONS

Work requires a Bachelor's Degree in Computer Science, Software Engineering or a related field with five to eight years of systems analysis and development experience; or an equivalent combination of education and experience that provide the following knowledge, skills and abilities:

Knowledge of systems integration planning, program implementation, schedule planning, and cost estimation methods.

Knowledge of the design and development of information management systems.

Knowledge of programming and systems analysis technologies.

Knowledge of computer systems hardware and software.

Ability to work independently as well as in a team environment.

Ability to isolate, analyze and define information management systems.

Ability to comprehend and interpret broad and generalized subject matter involved in designated projects, and to understand the purposes, relationships and variations in the current procedures to be automated.



Ability to lead and manage time, personnel resources, machine usage, and other resources.

Ability to plan, supervise and evaluate staff.

Ability to implement operational guidelines and procedures.

Ability to communicate effectively, both orally and in writing.

DESIRED SKILLS:

Strong technical skills that include experience with:

- Scripting languages (preferably Perl)
- Back-end and User interface development with .NET
- XML documents and SAX, DOM and XSLT technologies
- MSI technology and InstallShield software
- XML Prose Editors (preferably XmetaL)
- Document Management Systems

Knowledge of LIS information systems interface requirements a plus.

Knowledge of overall Senate environment and legislative processes are a plus.

LICENSES, CERTIFICATION AND OTHER REQUIREMENTS

None.